Full Directions Parking Sensor System

Customer Service Manual

C400V C500V C600V

C400FV C500FV C600FV

CE

Dear Clients,

Thank you for your wise selection of Smarteye® ultrasonic parking sensor system.

You will enjoy this premium product and our superb service.

Model Description:

CX00	LED	Display(X=2，3，4，5，6，The number of sensors.)
CX00V	VFD	Display(X=2，3，4，5，6，The number of sensors.)
CX00F	Flash Sensor with LED display	
CX00FV	Flash Sensor with VFD display	

Accessory list

The product comprise the following accessories:

1.Power supply cable	1 piece
2.Display cable	1 piece
3.Main System Module	1 piece
4.Display window (LED/VFD)	1 piece
5.User manual	1 piece
6.Driller	1 piece (option)

Product Specifications

Input Voltage: 10V-15V (DC)

Output Power: 3.8W

Operating temperature: -40℃---+80℃

Storage temperature : -50℃---+90℃

Humidity : 90%

Sensor distance response: 0.3m----1.8m (1-7 feet)

Sensor Angle :Parallel: 120° , Vertical: 50°

Digital Display: 3 digitals with LED or VFD

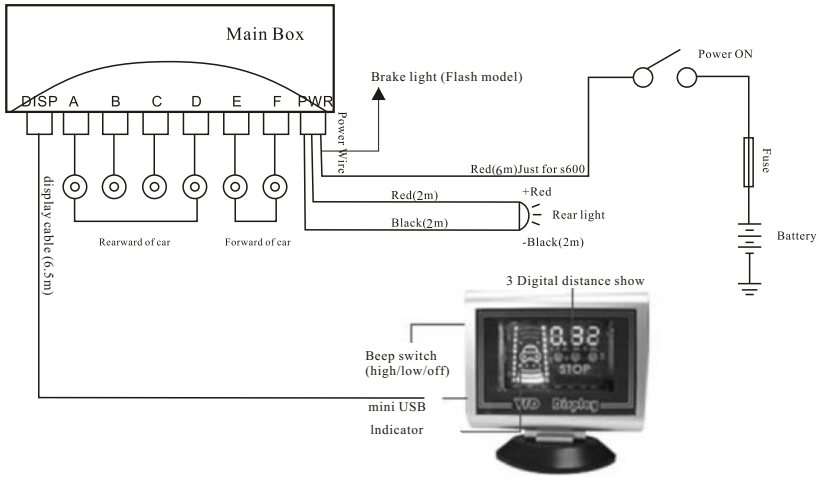
Carbon Monoxide Detection: If the Co density is over 100ppm (UL2034 standard),the kit will alter with audible and show the number of 100 in LED.(C400C/C600C only)

Installation and Routing

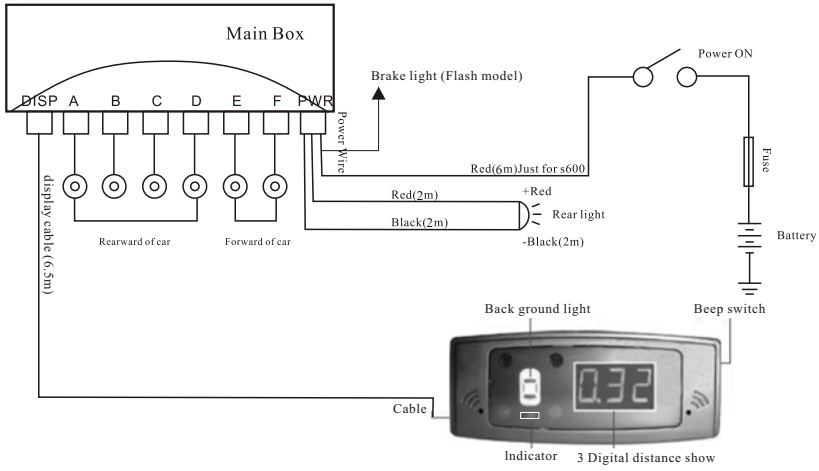
Important Note:

Engine must be turned off during installation. We suggest the client to seek professional person for help, electrician will perform the installation, which can be completed within 30 minutes. If any error occurs, please turn off the parking module and refer to the user manual.

Installation Diagram

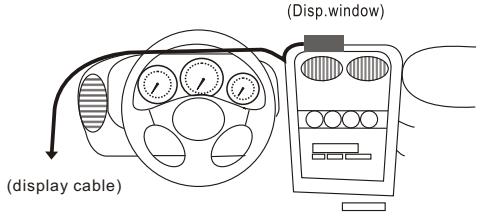


VFD display



LED display

1.Installation of Display: Self-adhesive and Nylon lock is attached to the back and bottom of the display. Use the double-sided tape to mount the display on to the convenient place such as the rear view mirror or a suitable place which driver can see the display easily. The module may also be placed on the middle of the panel .



2.Installation of Power supply wires: For C500. C600 model: It comprise 3 wires totally. Red Wire Number 1 is 6 meters ; Red Wire Number 2 is 2 meters; Black Wire Number3 is 2 meters . C200.C300.C400. S400 have 2 wires total, Red Wire Number2 is 2meter long, Black Wire Number3 is 2 meters long.

No.1 Red Wire Number 1 should be connected to the "on" block or brake light (Flash model) when switch on ignition

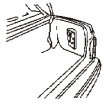
No.2 Red wire number 2 should be connected to the power of the back up light.

No.3 Black Wire Number 3 should be connected to the ground of the back up light

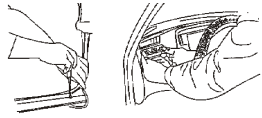
Pay attention to the aesthetics when installing the wires.

3.Installation of display cable (cord or cable):Routing display cable from the left side of the display panel and following the path of car wiring as to the diagram, spliced the display cable and pay attention to the concealment and the aesthetics , at last, plug one side of the display cable into the appropriate socket .

4.Installation of Parking System Module: Parking System Module is normally installed inside the trunk of the car, adhesive at the two side of the trunk by the double-sided tape and nylon lock. Pay attention leave far away from any obstruction.



MAIN BOX



WIRE HIDED IN THE SEAL

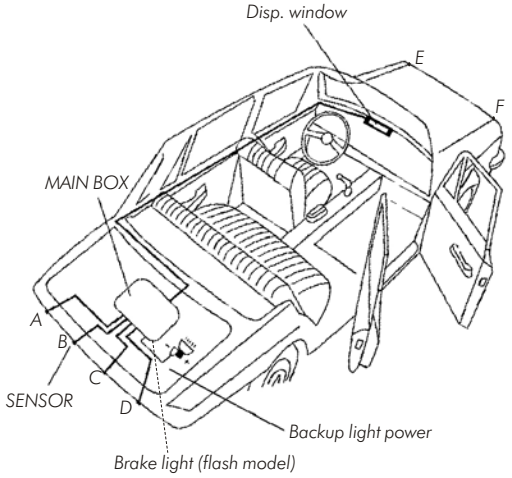
DRILL

SENSOR WIRE CONNECTING

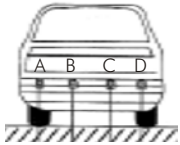
5. Installation of the Parking sensors:

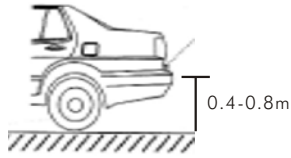
a) Pay attention to find the accuracy position to drill holes and make sure to connect the cable correctly, we suggest the clients to take a measurement and before you drill holes and perform the installation refer to the user manual.

b) For A-D, 4sensors (C400) should installed in the back bumper of the car, E-F, should installed in the front bumper of the car. (C500,C600).



c) According to the amount of the parking sensors and the width of the back bumper, confirm the installation distance from the height and the distance as to the diagram, the drill the hole in the bumper or other proper place (we provide the special drill head). Check the car bumper, make sure it reach the installation standard. (check the internal structure of the bumper, make sure it is above 45cm from ground level when installing and the angle should be parallel to the ground). After having drilled the holes (recheck the diameters of the drill head), the sharp edge of the holes should be polished smooth.





d) After having drilled the holes, install the parking sensors in the hole and the best height should be 50cm from ground level, to angle the sensors a bit up according to the installation and the slope of the bumper surface, the plastic washer should be installed upward. Adjust the direction of the parking sensors, do not cut the wires and leave the wires about 10cm extra to avoid any damage when pulling wires too tight.

e) Plug one sensor into the appropriate socket, switch on ignition and select reverse, the display panel show the correct distance, repeat the procedure for the remaining sensors.

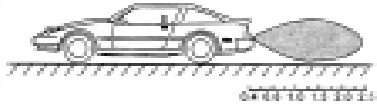
f) After testing the sensors, leave all the sensors connected. Ensure there is no wrong connection according to the diagram, otherwise it could alarm incorrectly.

6. Leave all the connecting wires a bit longer to avoid the looseness when driving, particular care should be taken to avoid the damage of the connector, recheck the position of the sensor to ensure that they are not direct toward to the ground.

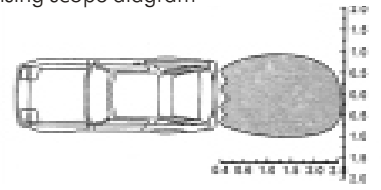
Product Adjustment Test

After the installation, we can test the production now

1.Near-vertical sensing scope diagram



2.Horizontal sensing scope diagram



3. Frontal distance:

When you engage to power on engine, frontal system (E. F. sensor) are automatically activated, the sensing range should be: 0.3m-1.2m

They send and receive ultrasonic radio waves which bounce off obstacles and alert you to their presence. there is a internal buzzer that gradually increases in frequency as you approach the object. A continues tone denotes that you are within 0.5 meters. When encounter the red light, the internal buzzer will stopped after 10 seconds if the distance of the obstacles without change, but the display panel still show the distance of the object.

The display panel will show the distance of the obstacles without buzzing if the object is beyond 0.5 meters.

4. Rear distance:

When you engage in reverse gear the frontal and rear system are automatically activated, the distance response for rear sensors should be 0.3-1.8 meter, 0.3-0.5 meter for frontal sensor. display panel shows the digital read out with buzzer as "0.00" when the obstacles are within 0.3 meter. It shows the relatively minimal distance from A-E. the system will released when you drive away from the parking lot and display panel will back to multi-functional again.

5. The system alarms the distance of the obstacles while reversing, it detect the direction of the sensor as well, direction indicator lamps show the directions, it will buzz gradually when obstacle is within 1.8 meters.

6. To avoid the inertia car accident, it is precision designed byus. The system will alert driver to brake the car on time when any obstacles are within 0.3 meter, the display panel will show as: 0.0and the internal buzzer will audible at the time being.

7. Pressing the temperature test button, the display panel shows the temperature of the car. It will disappear after 5 seconds. (C600T only)

8. Carbon monoxide detection and alarm automatically if the CO density in your car is over 100ppm (UL2034 standard). as you power on the engine, carbon monoxide detection will clean automatically for 8 seconds. It starts to detect the CO density after one minute and clean once again in every 30 minutes. (C600C only)

9. Please notice: during heavy raining day, and driving in a bumpy road or sand; or the sensor was icing or covered with snow or mud. All these factors will effect the result of the detection.

10. Please note that this positional ultrasonic parking is designed as an aid and should not replace the need to drive carefully.

11. The specifications of the products in this manual is just for reference, the content might be changed without notice ahead and the company keep the final explanation right for the manual.

Warranty Card

Model:		
Note:		
Dealer	Name of the company:	
	Tel:	
	Signature and the seal:	
Client	Name of the company:	Tel:
	Address:	
	Post number:	
Date of the purchasing:		

Servicing record:

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